HortiLite

LED PANEL

LED Lighting Solutions

Professional, Innovation, Customization

ABOUT US

Foshan Hortilite Optoelectronics Co., Ltd. is a joint venture of two public listed lighting manufacturers, FSL (stock code: 000541) and NATIONSTAR (stock code: 002449), a LED innovative lighting solution supplier integrating R&D, manufacturing, sales and customer service.

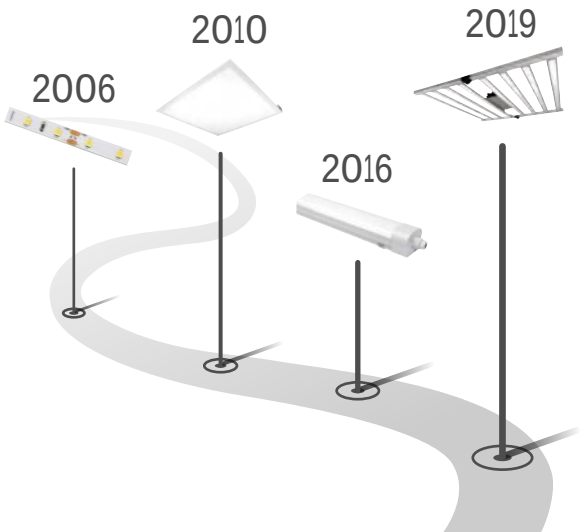
The purpose to establish this joint company is for a better future growth and development of our lighting business. We are based on the same team of the LED Lighting Division of NATIONSTAR, which has more than 15 years experience in OEM and ODM service for customers in Germany, Italy, Spain, Russia, US,Canada etc., mainly focusing on LED panel, LED batten, LED flexible strips and LED horticulture lighting.

With excellent R&D team and supreme manufacturing standard, we are offering precise and top performance LED products with industry leading technology.

Our goal is not only to meet your requirements, but exceed your expectations.

FSL

Founded in 1958, FSL is one of the most competitive lighting brands across China, providing clients with full-range professional lighting solutions. It owns five production bases in Guangdong Province, Henan Province, Jiangsu Province, etc. A complete supply chain system from R&D, manufacturing, sales, services, enabling FSL to produce on a mass scale covering residential lighting, commercial lighting and outdoor lighting.



NATIONSTAR

NATIONSTAR is a national level high-tech enterprise with professional capability in manufacturing LED components (White, RGB and non-visual LED). Founded in 1969, Nationstar ranks the 8th. globally in the list of revenue and market shares for LED packages in 2018 (IHS Markit).

Background Support

Supported by the mature supply chain system, large-scale production capacity of FSL and leading LED technical advantages of NATIONSTAR.

Manufacturing Experience

One of the earliest LED lighting products manufacturer in China.

LED flexible strips since 2006, LED panel since 2010, LED batten since 2016, LED horticulture lighting since 2019.

▲ Integrating Sphere

R & D Strength

More than 30 excellent and professional engineers in electronics, optics, structure, industrial design and other related fields. Professional laboratory (UL&CNAS) are equipped.

▲ Reliability

▲ Lighting Distribution

Precise and Flexible Manufacturing Mode

Equipped with SMT lines, automatic soldering machines, automatic screw machines, automatic silicone extrusion equipment, automatic aging equipment, etc. to guarantee excellent performance of each product. Offer standard products as well as customized service.

▲ Rolling and Cutting

▲ Bending

▲ Powder Spraying

▲ LGP Silk Screen Printing

▲ Assembling

▲ Semi-automatic Assembling

▲ Automatic Screw

▲ Aging

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LED PANEL | Indoor lighting

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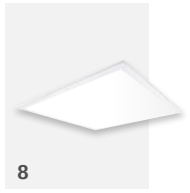
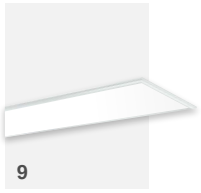
Recessed


8 Square Panel PRO


9 Recessed ceiling panel

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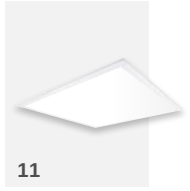
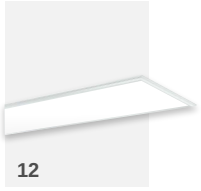
Surface mounted


11 Square Panel PRO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HortiLite

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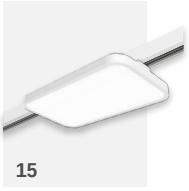
LED PANEL | Track lighting

Track mounted


15 Track Panel H

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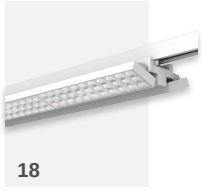
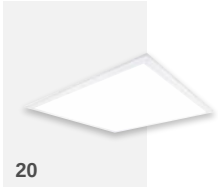
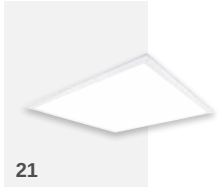

18 Track Panel K

19 Track Panel L

LED PANEL | Higher protection

Recessed


20 Clean panel


21 PLS-J

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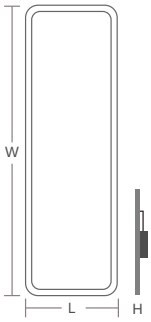
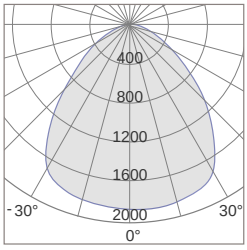
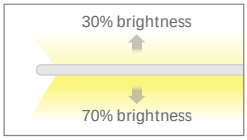
Suspended

Linear Panel PRO EU





110° Photometric



AC 220-240V | IP20 | Ra 80/90 | 110° | DALI | CCT | PF> 0.9 | 3SDCM LED

Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-30120	L200*W1200*H20	30	3600	120

*Lumen and Wattage: Type value with ±10% tolerance

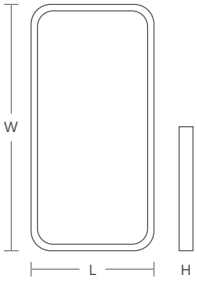
Construction

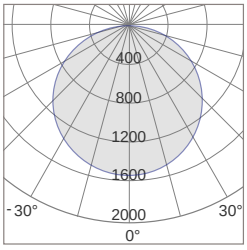
Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

EU Rectangle Panel





3060H 110° Photometric

Construction

Frame | Al
Back plate | Galvanized Steel
Diffuser | PS

3000K 4000K 6500K

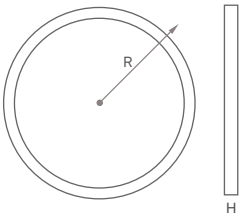
AC 230V | IP20 | Ra 80/90 | 110° | PF> 0.9 | 3SDCM LED | housing

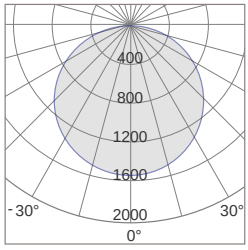
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLD-3060H	L600*W300*H35	40	4400	110

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

Round Panel PRO EU





3060H 110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

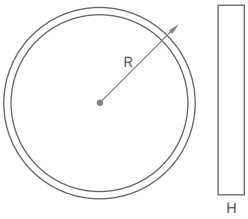
AC 220-240V | IP20 | Ra 80/90 | 110° | DALI | 0-10V | CCT | PF> 0.9 | 3SDCM LED

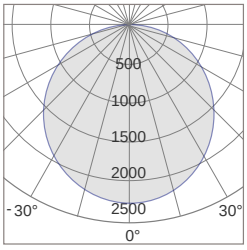
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-R30P	Ø400mm *H25mm	30	3300	110
HLT-PLS-R40P	Ø600mm *H25mm	40	4400	
HLT-PLS-R60P	Ø780mm *H25mm	60	6600	

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

EU Round Panel ECO





PLS-6060 110° Photometric

Construction

Frame | Steel
Back plate | Steel
Diffuser | PS

3000K 4000K 6500K

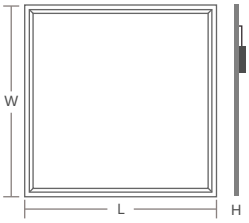
AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

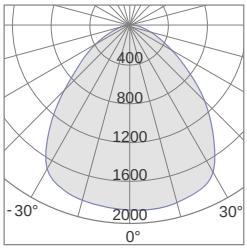
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLD-R30	Ø400mm *H60mm	30	3000	100
HLT-PLD-R40	Ø600mm *H60mm	40	4000	
HLT-PLD-R60	Ø800mm *H60mm	60	6000	

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

Wifi/Bluetooth Smart Panel EU





90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

AC 220-240V | IP20 | Ra 80/90 | 110° | DALI | CCT | PF> 0.9 | 3SDCM LED

3000K 4000K 6500K

Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-6060	L595*W595*H8.5	30	3750	125
HLT-PLS-6262	L620*W620*H8.5	30	3750	

*Lumen and Wattage: Type value with ±10% tolerance

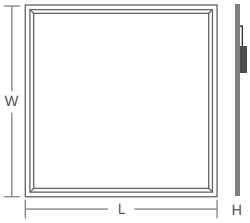
Brightness dimmable:

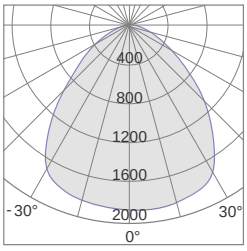
CCT adjustable:

intelligent control module optional

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

EU Square Panel PRO



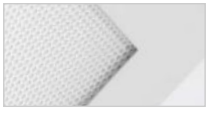


90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | Prism polystyrene

3000K 4000K 6500K



Prism diffuser

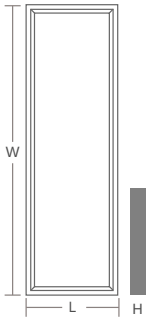
AC 220-240V | IP20 | Ra 80/90 | 90° | DALI | 0-10V | CCT | PF> 0.9 | 3SDCM LED

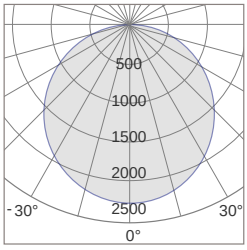
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS2-6060/6262	6060/6262	30	4200	140

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

Recessed ceiling panel EU





110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

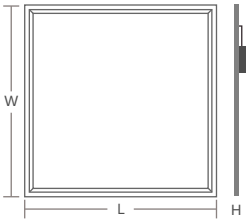
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-15120	L150*W1200*H9.5	30	2700	90
HLT-PLS-20120	L200*W1200*H9.5	30	2700	
HLT-PLS-30120	L300*W1200*H9.5	36	3420	95

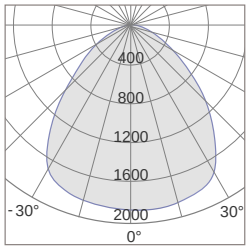
*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Suspension Kits	A01502	Type L

Recessed

Square Panel PRO EU



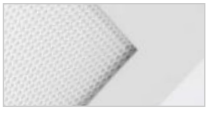


90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | Prism polystyrene

3000K 4000K 6500K



Prism diffuser

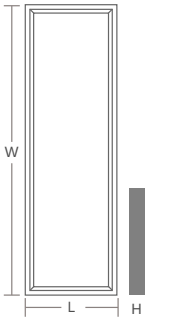
AC 220-240V | IP20 | Ra 80/90 | 90° | DALI | 0-10V | CCT | PF> 0.9 | 3SDCM LED

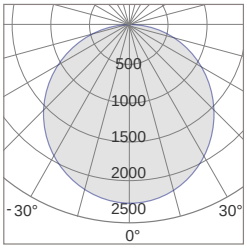
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS2-6060/6262	6060/6262	30	4200	140

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

EU Recessed ceiling panel





110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

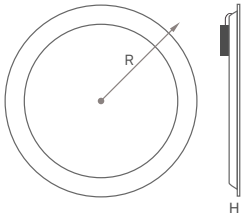
AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

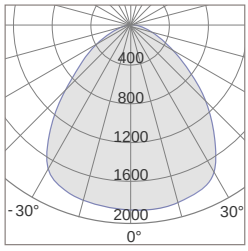
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-15120	L150*W1200*H9.5	30	2700	90
HLT-PLS-20120	L200*W1200*H9.5	30	2700	
HLT-PLS-30120	L300*W1200*H9.5	36	3420	95

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

Round Panel in small Size EU





90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | Prism polystyrene

3000K 4000K 6500K

AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

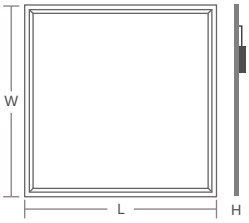
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-D22J20	Ø 225mm	20w	2000lm	100lm/w

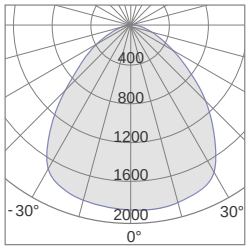
*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

Surface mounted

Square Panel PRO EU





90° Photometric

Construction

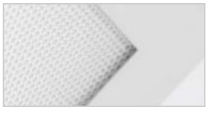
Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | Prism polystyrene

3000K 4000K 6500K

AC 220-240V | IP20 | Ra 80/90 | 90° | DALI | 0-10V | CCT | PF> 0.9 | 3SDCM LED

Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS2-6060/6262	6060/6262	30	4200	140

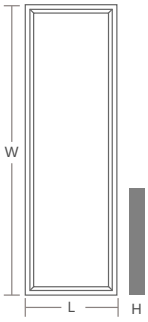
*Lumen and Wattage: Type value with ±10% tolerance

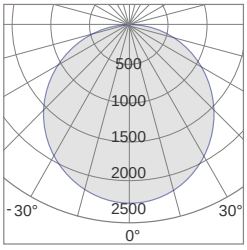


Prism diffuser

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Frame ceiling kits	A01504	

EU Recessed ceiling panel





110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

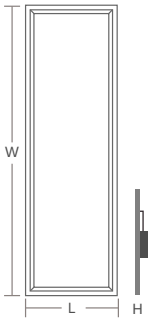
AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

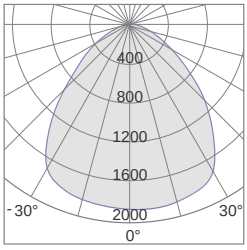
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-15120	L150*W1200*H9.5	30	2700	90
HLT-PLS-20120	L200*W1200*H9.5	30	2700	
HLT-PLS-30120	L300*W1200*H9.5	36	3420	95

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Frame ceiling kits	A01504	

Linear Panel EU





90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

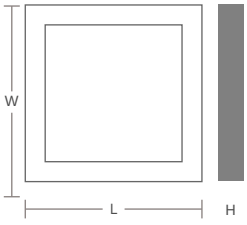
AC 220-240V | IP20 | Ra 80/90 | 110° | DALI | CCT | PF> 0.9 | 3SDCM LED

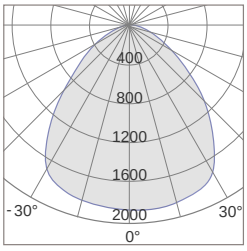
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-30120	L200*W1200*H20	30	3600	120

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Frame ceiling kits	A01504	

EU Square Panel in small size





90° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PS
Diffuser | PS

3000K 4000K 6500K

AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

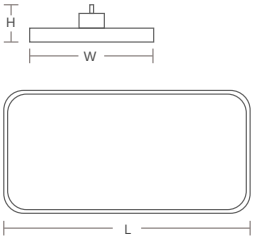
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLD-1212	L120*W120*H32	6	6000	100
HLT-PLD-2525	L225*W225*H32	18	1800	
HLT-PLD-3030	L300*W300*H32	24	2400	

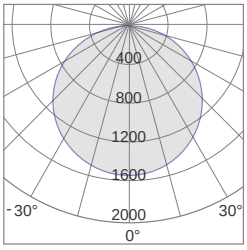
*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Frame ceiling kits	A01504	

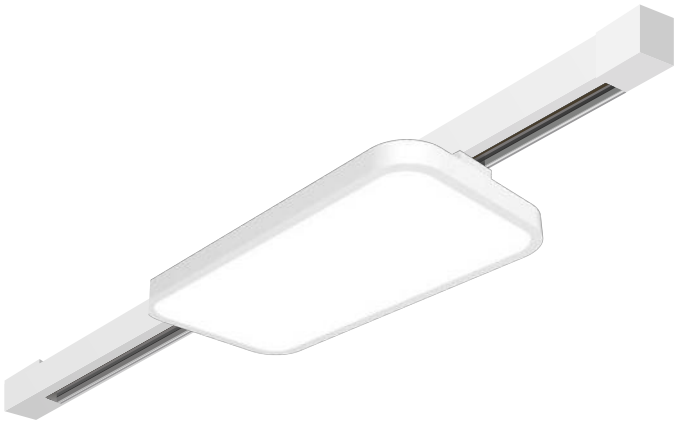
Track mounted

EU Track Panel H





3060H 110° Photometric



Construction

Frame | Al
Back plate | Galvanized steel
Diffuser | PS

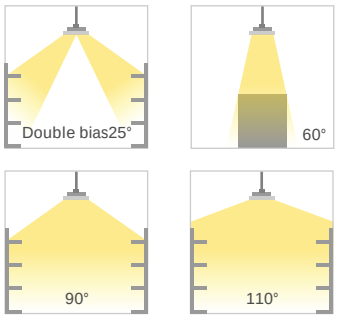
3000K 4000K 6500K

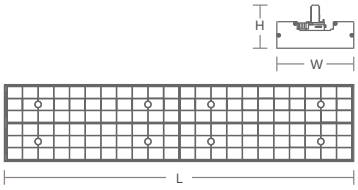
AC 230V | IP20 | Ra 80/90 | 110° | PF> 0.9 | 3SDCM LED | housing

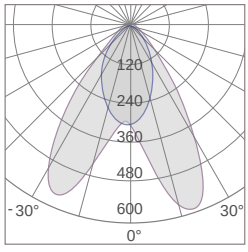
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLD-3060H	L600*W300*H96	40	4400	110

*Lumen and Wattage: Type value with ±10% tolerance

Track Panel G EU







PLD-1358G Photometric

Construction

Housing | Al

Diffuser | PC Lens

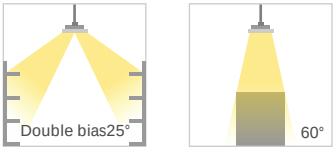
3000K 4000K 6500K

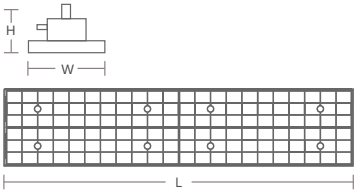
AC 230V | IP20 | Ra 80/90 | DALI | PF> 0.9 | 3SDCM LED | housing

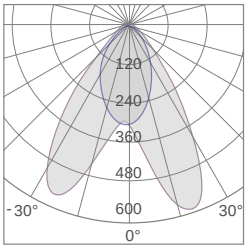
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	Beam Angle
HLT-PLD-1358G	L579*W127.5*H90.5	60	7800	130	Double asymmetric 25° (60°/90°110°)

*Lumen and Wattage: Type value with ±10% tolerance

EU Track Panel I







PLD-1358I Photometric

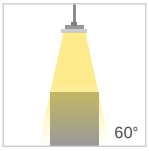
3000K 4000K 6500K

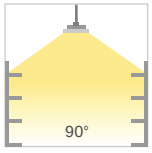
AC 230V | IP20 | Ra 80/90 | DALI | PF> 0.9 | 3SDCM LED | housing

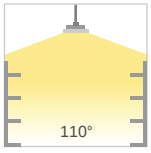
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	Beam Angle
HLT-PLD-1358I	L579*W127.5*H71.5	40	5200	130	Double asymmetric 25° (60°/90°/110°)

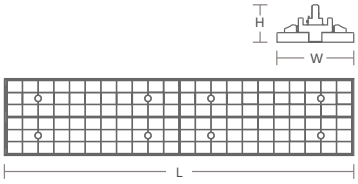
*Lumen and Wattage: Type value with ±10% tolerance

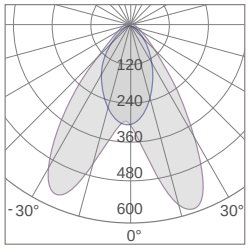
Track Panel K EU











PLD-1358K Photometric

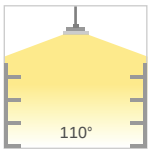
3000K 4000K 6500K

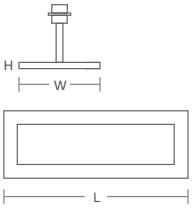
AC 230V | IP20 | Ra 80/90 | DALI | PF> 0.9 | 3SDCM LED | housing

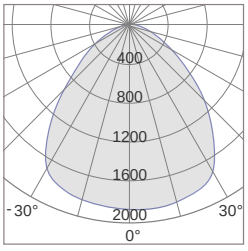
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	Beam Angle
HLT-PLD-1358K	L579*W127.5*H78	40	5200	130	60°/90°/110°

*Lumen and Wattage: Type value with ±10% tolerance

EU Track Panel L







90° Photometric

3000K 4000K 6500K

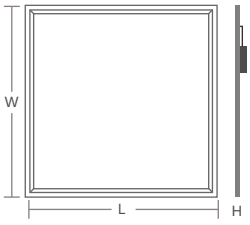
AC 230V | IP20 | Ra 80/90 | DALI | PF> 0.9 | 3SDCM LED | housing

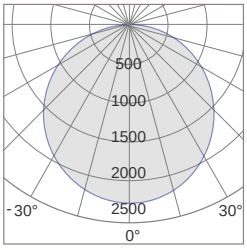
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)	Beam Angle
PLS2-3011J20	L300*W110*H8.5	20	2200	110	110°

*Lumen and Wattage: Type value with ±10% tolerance

Recessed

EU Clean Panel





PLS-6060 110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

3000K 4000K 6500K

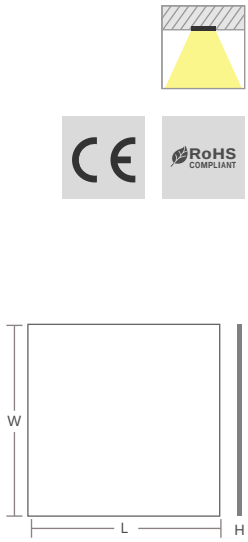
AC 220-240V | IP20 | Ra80 | 110° | PF> 0.9 | 5SDCM LED

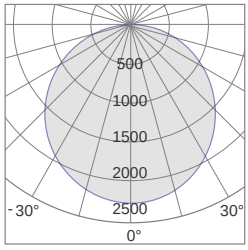
Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-PLS-6060J36	L595*W595*H8.5	36	3960	110
HLT-PLS-6262J36	L620*W620*H8.5	36	3960	

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

PLS-J EU





PLS-6060 110° Photometric

Construction

Frame | Aluminum
Back plate | Galvanized steel
LGP | PMMA
Diffuser | PS

2700K 6500K

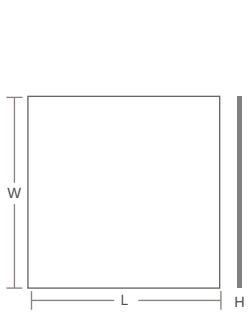
AC 220-240V | IP20 / IP54 | Ra 80 | 110° | DALI | 0-10V | CCT | PF> 0.9 | 5SDCM LED

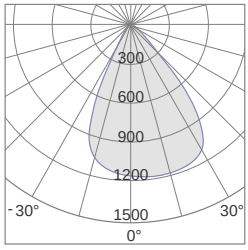
Model No.	Size (mm)	Wattage (W)	Lumen (lm)
HLT-PLS-6060J36	L595*W595*H8.5	36	3960
HLT-PLS-6262J36	L620*W620*H8.5	36	3960

*Lumen and Wattage: Type value with ±10% tolerance

Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

Grille Panel Light EU





90° Photometric

Construction

Frame | PC

Back plate | Al

3000K 4000K 6500K

AC 220-240V | IP20 | Ra80 | 110° | DALI | 0-10V | PF> 0.9 | 5SDCM LED

Model No.	Size (mm)	Wattage (W)	Lumen (lm)	Efficacy (lm/W)
HLT-GSD-6060C28H	L597*W597*H35	28	3780	135

*Lumen and Wattage: Type value with ±10% tolerance

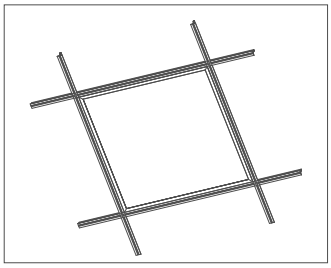
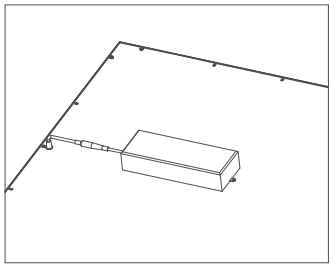
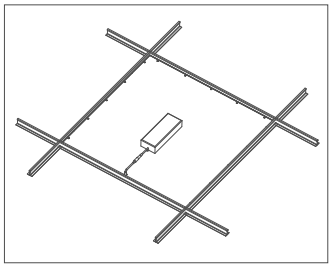
Accessories	Product Name	Code	Item
	DALI DT8 Flicker Free Driver	A01511	LF-GSD040YG
	Ficker Free Driver	A01501	MH-40C100M12
	Spring Brackets	A01503	Spring Bracket Kit

HortiLite

LED PANEL Installation Instruction

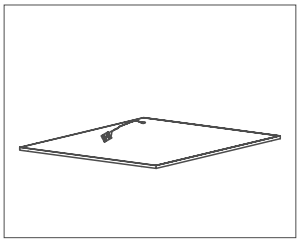
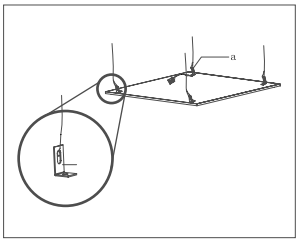
01 Built-in installation

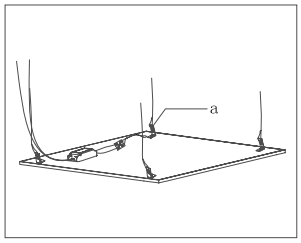
Clear the keel and connect AC end with user AC end. Install the LED panel into the keel as illustrated.

02 Suspending Mounting

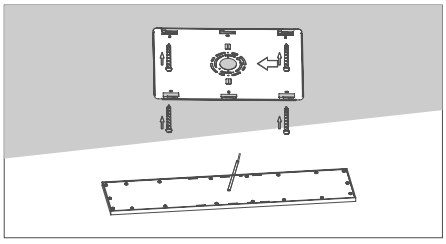
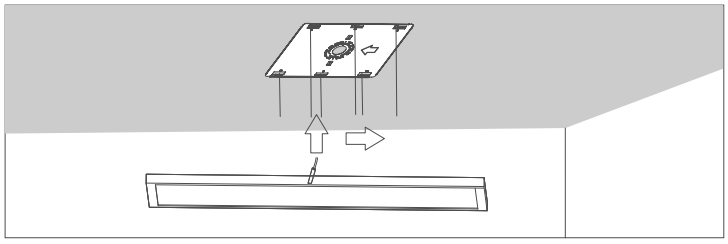
Make the hanging wires through the holes on fittings.
Fix the anchoring onto the ceiling.



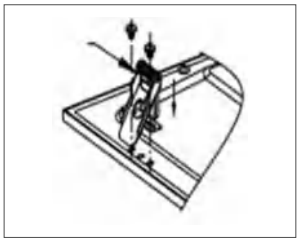
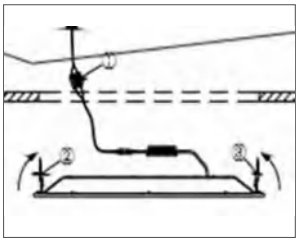
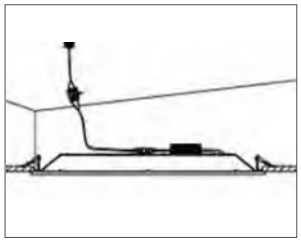
03 Surface Frame Mounting

Fix the bracket with screws into the ceiling, adjust the panel to be align with the hole， then slide right to lock.

04 Spring Buckle installation (plasterboard)

Clear the keel and connect AC end with user AC end. Install the LED panel into the keel as illustrated.

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